A method of treatment of chronic obstructive pulmonary disease (COPD) in a patient suffering from COPD, the method comprising administering to said patient an effective amount of an agent which triggers anion efflux in respiratory tissue via the activation of a secretin receptor.

receptor.

- The method of claim 1 wherein said agent is a secretin 3. receptor ligand.
- The method of claim 2 wherein said agent is a secretin 4 . receptor ligand.
- The method of claim 1 wherein said agent is human secretin as shown in Figure 1 (SEQ ID NO:10).
- The method of claim 2 wherein said agent is human 6. secretin as shown in Figure 1 (SEQ ID NO:10).
- The method of claim 1 wherein said agent is administered by inhalation.
- The method of claim 2 wherein said agent is administered 8. by inhalation.
- A composition comprising a secretin receptor ligand together with at least one other compound active against CF.

10. A composition comprising a secretin receptor ligand together with at least one other compound active against COPD.